

Appendix table 3-25

S&E workforce international interaction, by employment and respondent characteristic: 2006

(Number and percent)

Characteristic	Total		Business/industry			Government		Education	
			For-profit	Self-employed, unincorporated business	Non-profit	Federal	State/local	4-year educational institutions ^a	Other educational institutions ^b
All employed scientists and engineers (n)	18,927,000	–	9,978,000	1,329,000	1,830,000	824,000	1,405,000	1,549,000	2,014,000
Reporting international collaboration	3,157,000	16.7	24.2	8.3	6.9	17.8	4.9	14.8	3.0
Sex									
Male	2,293,000	21.5	27.9	9.7	11.5	19.5	5.7	18.1	4.4
Female	865,000	10.5	17.2	6.0	4.9	14.3	4.1	11.6	2.3
Place of birth									
U.S. born	2,397,000	15.3	22.5	6.8	6.7	18.5	4.7	13.9	2.9
Not U.S. born	761,000	23.7	31.1	16.9	8.5	12.4	6.6	17.9	3.8
Place of postsecondary education									
All degrees earned in United States	2,675,000	15.7	23.1	7.4	6.7	17.9	4.7	13.9	2.9
Degrees earned abroad and in United States	229,000	31.4	40.8	23.6	13.3	21.4	11.4	19.0	7.4
All degrees earned abroad	254,000	22.8	28.3	14.5	8.6	10.6	7.2	21.7	4.1
Highest degree of educational attainment									
Bachelor's	1,761,000	16.2	22.7	8.1	5.4	15.2	4.9	10.4	3.1
Master's	970,000	18.0	31.6	8.4	8.6	20.5	4.6	10.1	2.7
Professional	171,000	9.7	10.7	7.0	6.2	14.9	5.0	15.3	0.6
Doctorate	254,000	28.8	40.1	17.5	24.1	32.8	12.8	26.5	8.1
Occupation									
S&E occupations	1,416,000	28.2	36.2	15.2	16.8	18.4	6.1	18.8	2.7
Computer/mathematical scientists	667,000	31.6	39.1	23.3	12.5	18.2	5.3	12.1	1.9
Biological/agricultural/other life scientists	116,000	23.9	33.3	18.4	28.3	18.5	11.2	22.3	7.4
Physical scientists	80,000	23.9	28.1	28.2	35.7	25.5	4.6	23.7	4.4
Social scientists	70,000	14.8	30.3	4.0	10.4	20.0	2.9	19.0	1.8
Engineers	483,000	29.8	34.3	13.7	24.5	16.5	6.4	19.4	6.7
S&E-related occupations	394,000	7.5	11.0	4.2	3.4	13.0	4.0	9.6	2.7
Non-S&E occupations	1,348,000	15.6	22.4	8.5	8.8	19.7	4.8	14.1	3.2
Primary or secondary work activity									
Accounting, finance, contracts	2,171,000	17.1	21.5	7.5	12.0	14.6	4.4	12.0	2.5
Computer applications, programming, systems development	2,110,000	27.8	34.7	14.2	10.2	10.9	8.1	14.0	7.2
Human resources, including recruiting, personnel development, training	1,158,000	16.3	23.6	8.0	8.7	25.2	5.8	11.5	4.3
Managing or supervising people or projects	6,991,000	20.7	29.7	8.8	8.0	22.8	4.9	14.7	3.0
Production, operations, maintenance (e.g. chip production, operating lab equipment)	1,322,000	17.1	21.5	9.1	8.4	11.8	5.6	7.5	0.5
Professional services (e.g., health care, counseling, financial services, legal services)	5,580,000	7.5	9.7	6.6	3.6	13.2	4.2	9.8	3.7
Quality or productivity management	1,382,000	20.2	26.5	9.6	6.5	18.5	5.6	9.6	1.3
R&D	5,212,000	25.3	33.6	13.4	14.0	21.9	6.8	20.2	4.0
Sales, purchasing, marketing, customer service, public relations	3,276,000	18.7	23.3	7.1	8.0	11.5	5.3	10.8	6.7
Teaching	3,341,000	6.3	8.2	4.7	5.2	13.4	2.8	14.7	2.8

NOTES: Scientists and engineers refers to all persons who have received a bachelor's degree or higher in science, engineering (S&E), or S&E-related field, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Numbers rounded to nearest thousand. Detail may not add to total because of rounding and because respondents may provide more than one response for work activity.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2006)., <http://sestat.nsf.gov>.